



Queensland

**IPWEA**

INSTITUTE OF PUBLIC WORKS  
ENGINEERING AUSTRALASIA

**INFORMS. CONNECTS.**  
**REPRESENTS. LEADS.**

# BRANCH CONFERENCE HANDBOOK

## CQ Branch Conference 2021

### Maryborough, 19-21 April 2021



[www.ipweaq.com](http://www.ipweaq.com)



Queensland

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COAST REGIONAL COUNCIL**



## Welcome from the Branch President

We are very pleased to welcome you to the IPWEAQ CQ Branch Conference in Maryborough in partnership with Fraser Coast Regional Council. This year's conference showcases local projects and activities including a keynote presentation on the Boundary Road Extension Project - A new urban transport link, 40 years in the making by Rob Hazzard, Fraser Coast Regional Council. Delegates will also participate in an Engineering Workplace Culture workshop, facilitated by Chris Mills from Bulletproof Performance.

The Welcome Function will take place on Monday 19 April – join us for a drink before conference proceedings commence on Tuesday morning! The Branch Conference Dinner has been generously sponsored by Tipec on Tuesday 20 April, and will include an exciting charity auction.

We would like to thank our sponsors including Overall Conference Sponsor Dileigh Consulting Engineers, Branch Conference dinner sponsor Tipec, Name tag sponsor GBA Consulting Engineers, Charity Auction sponsor Leading Roles, Lunch sponsor JAC Civil, Morning Tea sponsor Shepherd, and Afternoon Tea sponsor Project Delivery Managers.

Your support is invaluable and critical to the success of our conference. We hope you enjoy your time in Maryborough!

**Celisa Faulkner**  
CQ Branch President





## Conference Details

<b>Dates</b>	Monday 19 April - Wednesday 21 April
<b>Venue</b>	Brolga Theatre 5 Walker Street, Maryborough QLD 4650

### About Maryborough

Just three hours from Brisbane while exploring the Fraser Coast, a trip to the historical town of Maryborough is a must. Maryborough's striking art, statues, heritage buildings, memorials and museums tell the story of a town that was once one of Australia's largest ports. Maryborough was one of Queensland's industrial powerhouses in the final decade of the 19th century, producing naval ships, sugar milling equipment and railway rolling stock.

For those intrigued in military can delve into Fraser Coast's rich military history, spending a day at the new Gallipoli to Armistice Memorial in Queens Park will not disappoint. The memorial features a sculpture of Lieutenant Duncan Chapman – the first Australian ashore at Gallipoli. A walk through the memorial is filled with audio and visual stories of the many men and women from Maryborough who served at war for Australia

After enjoying the memorial, take a stroll and visit the Maryborough Military and Colonial Museum showcasing the largest collection of military artifacts outside of the Australian War Memorial in Canberra.

Maryborough's historic charms don't stop there – head to Cherry Tree Lane on Richmond Street to find the statue of Mary Poppins beside the 136-year-old bank building where her creator, Pamela Lyndon Travers, was born in 1889. The building has now been transformed into the Story Bank – a bank that trades in stories. Enter the Bank and interact with the characters and settings from the world famous Mary Poppins stories.

### Registration

The registration desk is located at the entrance to the conference centre. Please register early and download this Handbook on your smart phone or tablet.

Registration desk opening times are:

<b>Tuesday 20 April</b>	7:30 am - 8:30 am
<b>Wednesday 21 April</b>	7:30 am - 8:30 am

When you register, please purchase your raffle tickets at \$5 each or five tickets for \$20 for Rural Aid. If you purchase 5 tickets for \$20, you can place a sticker on the truck, showing you have personally purchased a bale of hay!

### App

Please download the IPWEAQ CQ Branch Conference App to get the most out of your conference experience. Within the Attendee App you will be able to:

- Review the conference agenda
- Review and amend your registration, including social function attendance
- Search for and message other conference delegates, including Speakers and Exhibitors
- Receive conference alerts
- Access this conference handbook
- Vote for best paper

### Dress Code

Conference program, welcome and branch conference dinner: smart casual, no suits or ties.

### Seating Allocation

Due to the COVID19 venue plan, all delegates will be allocated a seat in the auditorium. The seat number will be printed on your name tag. Please ensure you sit in your allocated seat for the duration of the conference.

### Photography

We will be taking photos throughout the conference and at social functions. Photos taken at the conference may be published in our journal, Engineering for Public Works, on our website and in marketing materials that promote our members, IPWEAQ and our industry. If you do not wish to be photographed, please advise our staff member and move out of camera range. Otherwise, consent is presumed granted. If you would like to arrange a group photo of you and your colleagues, please be sure to arrange this with us.

### Conference Sponsors

We wish to acknowledge our Principal Partners (Department of Transport and Main Roads, Komatsu and Wagners), Partners, exhibitors and sponsors for their ongoing support and contribution to our successes. Please see page 18 for our event sponsors.

### Exhibition

The trade exhibition is located next to the conference space. It is open during registration and all catering breaks.

### Best Paper Award

The winner of the Best Paper award will be voted by delegates.

The winner of the Best Paper award will receive a complimentary registration to attend the IPWEAQ Annual Conference to be held in Cairns at the Cairns Convention Centre 12-14 October, 2021.



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### WiFi

Unfortunately there is no wifi at this venue.

### Dietary Requirements

If you have informed us of any special dietary requirements (vegetarian, vegan, coeliac etc), this information has been passed on to the catering team and any external venues for social events you have registered to attend.

Please make yourself known to the catering staff during meal breaks and social functions. All efforts have been made to accommodate your requests.

### Feedback

After the conference, we will email your certificate of attendance with CPD hours stated together with a conference survey form.

Your feedback is valued and will guide us for future events. Thanking you in anticipation.

### Conference Contacts

Monica Robertson 0481 266 355  
Leigh Cunningham 0449 987 238  
Craig Moss 0431 745 277

**We look forward to welcoming you to the CQ Branch conference in Maryborough! Please share your experiences on social media using #CQ21**

### Social Events

#### Welcome Function

Delegates are invited to an informal welcome.

<b>Venue</b>	Brolga Theatre 5 Walker Street, Maryborough
<b>Date</b>	Monday 19 April
<b>Time</b>	6pm - 8pm

#### Branch Conference Dinner

<b>Venue</b>	Susan River Homestead Lot 56, Noble Road, Susan River
<b>Date</b>	Tuesday 20 April
<b>Time</b>	6pm - 10pm

Buses to and from the venue have been arranged.

### New Members

We would like to welcome our new members:

Jerome Egwurube	Henry Niemand
Charles Taylor	Mohammed Rahman
Jared Skinner	Carl Bacon
Carmen Smith	Adam Johnston

Sakar Pokharel	David Ramage
Reece Sainsbury	Mark Steedman
Darryl Shield	Gregory Neilson
Darren Richardson	Anmol Gupta
Isabeau Gavel	Tarquin Witney
Riley Denning	Xin Zhong
Benjamin Letts	Jamie Naidu
Lachlan McCullough	Paul Taske
Mirav Pambhar	Kenneth Festing
Daniel Price	Elise Pearson
Simon O'Brien	Ken Nakada
Thomas Wager	Burak Cabir
Gideon Breytenbach	Kirtankumar Prajapati
Jake Taylor`	Jamie Schokman
Omer Hayyat Randhawa	Tawfik Shehata
Michael Erickson	Nicole Deighton
Carl Talaman	Timothy Fichera
Gopal Ghosh	Thomas Milliken
Megan Kraft	Clete Perrott
Jason Reepsdorff	

### Membership Milestones

Name	Organisation	2020-2021 Advances
Stuart Harvey	Rockhampton Regional Council	10 Years
Geoffrey Tweddell	Engage Consulting Engineers Pty Ltd	10 Years
Davendra Naidu	Fraser Coast Regional Council	5 Years
Rob Hazzard	Fraser Coast Regional Council	5 Years

## Join IPWEAQ

Join IPWEAQ for the 1/4 year year to 30 June 2021 for:

#### Member:

~~Annual Subscription~~  
**HALF YEAR** \$280 plus GST  
\$72.50 plus GST

#### Graduates up to 5 years post-graduation:

~~Annual Subscription~~  
**HALF YEAR** \$190 plus GST  
\$45 plus GST



## Councils and Organisations

We look forward to welcoming delegates from the following councils and organisations:

### Council

- Bundaberg Regional Council
- Fraser Coast Regional Council
- Gladstone Regional Council
- Isaac Regional Council
- Livingstone Shire Council
- Rockhampton Regional Council
- Somerset Regional Council

### Organisation

- AECOM Australia
- ARRB
- Australian Concrete Mats
- Boral
- Bulletproof Performance
- Cardno Pty Ltd
- CQUniversity
- Danley
- Department of Transport and Main Roads
- Dial Before You Dig
- Dileigh Consulting Engineers
- Engage Consulting Engineers Pty Ltd
- George Bourne & Associates
- Harrison Infrastructure Group
- Holcim (Australia) Pty Ltd
- Huesker Australia Pty Ltd
- Ingal Civil Products
- Innovative Solutions Indonesia
- InQuik Pty Ltd
- Interflow
- IPWEAQ
- JAC Civil
- Komatsu Australia Pty Ltd
- Leading Roles
- LGIA Super
- Lion Systems
- Local Buy
- LO-GO Appointments
- McBerns Innovative Solutions
- McCullough Robertson Lawyers
- McMurtrie Consulting Engineers
- National Heavy Vehicle Regulator
- Norton Rose Fulbright Australia
- Orion Solar
- Pavement Management Services
- Peak Services
- PelicanCorp
- Project Delivery Managers
- Proterra Group Pty Ltd
- Saferoads
- Shepherd
- Stabilised Pavements of Australia
- Steel Mains
- SuperSealing
- Synergy Solutions
- Tipec Pty Ltd
- Tutt Bryant Hire Pty Ltd
- Wagners CFT Manufacturing Pty Ltd
- Water Modelling Solutions
- WR & CA Paulger





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## Our Partners

### PRINCIPAL PARTNERS



### ENTERPRISE PARTNERS

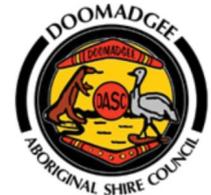




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## Our Subscribers

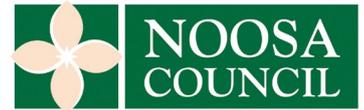




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## Our Subscribers



**WESTERN DOWNS** REGIONAL COUNCIL





## Program

### Monday, April 19, 2021

6:00 PM - 8:00 PM

**Welcome Function**  
Brolga Theatre and Convention Centre, 5 Walker Street, Maryborough

### Tuesday, April 20, 2021

7:30 AM - 8:30 AM

**Registration Open (Day One)**  
Sponsored by Dileigh Consulting Engineers**Session One**

8:30 AM - 8:45 AM

Introduction and Housekeeping

8:45 AM - 9:00 AM

Welcome to Country

9:00 AM - 9:10 AM

Conference Opening

9:20 AM - 9:50 AM

Boundary Road Extension Project - A new urban transport link, 40 years in the making  
Rob Hazzard, Fraser Coast Regional Council

9:50 AM - 10:30 AM

Engineering Workplace Culture  
Chris Mills, Bulletproof

10:30 AM - 11:00 AM

**Morning Tea**  
Sponsored by Shepherd**Session Two**

11:00 AM - 11:20 AM

COVID-19 and Construction Contracts  
Joseph Jones, McCullough Robertson Lawyers

11:20 AM - 11:40 AM

Temporary Traffic Management Harmonisation in Queensland  
Troy Hansen, Department of Transport and Main Roads

11:40 AM - 12:00 PM

Are load limit signs relevant for local councils in 2021?  
Annette Finch, NHVR

12:00 PM - 12:30 PM

What keeps you awake at night?  
Craig Moss & Scott Britton, IPWEAQ

12:30 PM - 1:30 PM

**Lunch**  
Sponsored by JAC Civil**Session Three**

1:30 PM - 1:50 PM

A practical methodology to stakeholder engagement during the design process  
Jamie Schokman, Bundaberg Regional Council

1:50 PM - 2:10 PM

Tooan Tooan Foreshore Catchment – Holistic Planning for Increasing Risks in a Coastal Catchment  
Kylie Matheson, Fraser Coast Regional Council

2:10 PM - 2:30 PM

Bundaberg Regional Council Stormwater Management Strategy  
– A New Path for Council's Long-standing Challenges  
Jordan Maultby, AECOM and Tim Fishera, Bundaberg Regional Council

2:30 PM - 2:50 PM

Maryborough CBD Flood Resilience Project  
Davendra Naidu, Fraser Coast Regional Council



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2:50 PM - 3:10 PM	Twin Cell Uniculvert Stephen Farrington, Holcim/Humes
3:10 PM - 3:40 PM	<b>Afternoon Tea Sponsored by Project Delivery Managers</b>
	<b>Session Four</b>
3:40 PM - 4:00 PM	A01 Sewer Pump Station Upgrade - Large Pump Station Construction in a Constrained Environment Daniel Stroud, AECOM Australia
4:00 PM - 4:20 PM	Isolation of a Critical Asset in the Water Supply Network Craig Rieck, Fraser Coast Regional Council
4:20 PM - 4:40 PM	Pre-fabricated building projects – how to deliver through match-fit contracts” Ren Niemann, Norton Rose Fulbright
4:40 PM - 5:00 PM	Engineering a remote future Elise Pearson, McMurtrie Consulting Engineers
6:00 PM - 10:00 PM	<b>Conference Dinner Sponsored by Tipec</b>

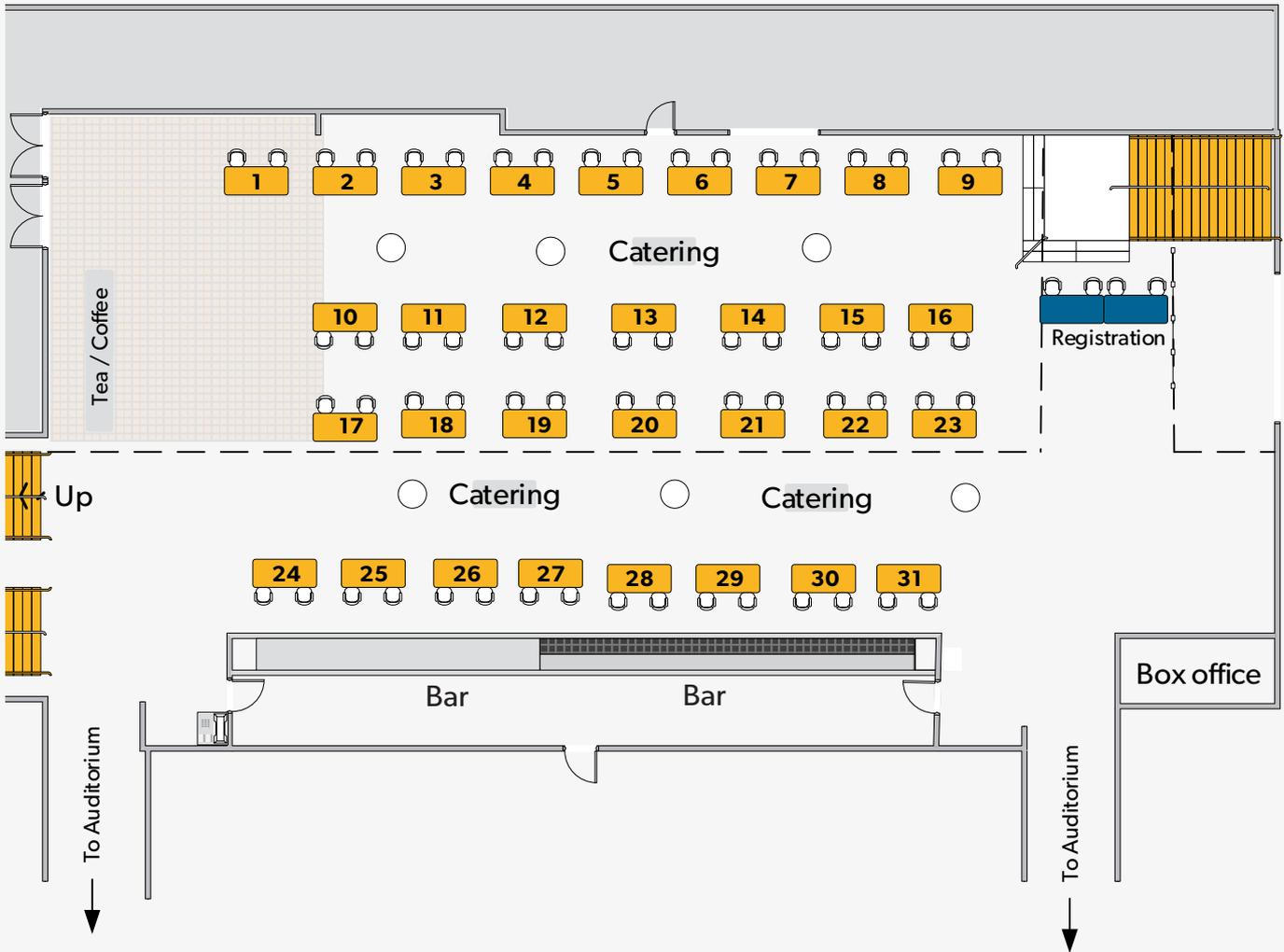
**Wednesday, April 21, 2021**

7:30 AM - 8:30 AM	<b>Registration Opens (Day Two)</b>
	<b>Session Five</b>
8:30 AM - 9:00 AM	ADAC: Design XML and Beyond Adam Johnston, Bundaberg Regional Council
9:00 AM - 9:30 AM	Using Basegrade Stabilisation to Rehabilitate Thin Local Roads Scott Young, Stabilised Pavements of Australia
9:30 AM - 10:00 AM	Unsealed Roads Management Online at Rockhampton Regional Council Darren Shepherd, Shepherd and David Bremert, Rockhampton Regional Council
10:00 AM - 10:40 AM	Smarter management of assets using next-generation data Jeffrey Lee, ARRB
10:40 AM - 11:20 AM	<b>Morning Tea including raffle draw</b>
	<b>Session Six</b>
11:20 AM - 11:40 AM	Footpath and Cycleway – Best Practice Design and Construction Methods Kipp Richter, Ramsetreid
11:40 AM - 12:00 PM	The Rapidly Changing Demands for Active Travel from a Regional Context Damion Beety, Fraser Coast Regional Council
12:00 PM - 12:20 PM	Increasing data integrity for asset owners Andrew Franzmann, Project Delivery Managers
12:20 PM - 12:30 PM	Conference close and best paper award
12:30 PM - 1:00 PM	<b>Lunch (Day Two)</b>



## Exhibitors

We are delighted to confirm there are 31 exhibitors in Maryborough located as follows.



<b>1</b>	Huesker Australia	<b>12</b>	Boral	<b>22</b>	Holcim/Humes Australia
<b>2</b>	McCullough Robertson Lawyers	<b>13</b>	Peak Services	<b>23</b>	Proterra Group Pty Ltd
<b>3</b>	McBarns Innovative Solutions	<b>14</b>	Local Buy	<b>24</b>	InQuik Pty Ltd
<b>4</b>	CARDNO Ltd	<b>15</b>	Pavement Management Services	<b>25</b>	Australian Concrete Mats
<b>5</b>	Department of Transport and Main Roads	<b>16</b>	Lion Systems	<b>26</b>	Norton Rose Fulbright Australia
<b>6</b>	Tutt Bryant Hire Pty Ltd	<b>17</b>	Water Modelling Solutions	<b>27</b>	SuperSealing
<b>7</b>	Bulletproof Performance	<b>18</b>	Ingal Civil Products	<b>28</b>	Interflow
<b>8</b>	Stabilised Pavements of Australia	<b>19</b>	Dial Before You Dig	<b>29</b>	Saferoads
<b>9</b>	Danley	<b>20</b>	Wagners CFT Manufacturing Pty Ltd	<b>30</b>	Leading Roles
<b>10</b>	PelicanCorp	<b>21</b>	Orion Solar	<b>31</b>	Komatsu Australia Pty Ltd
<b>11</b>	LGIAsuper				



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## Sponsors

Thank you again to our wonderful sponsors for this year's CQ Branch Conference.

Sponsorship	Sponsor
<b>Dileigh Consulting Engineers</b> Overall Conference Sponsor (Platinum sponsor)	
<b>Tipec</b> Branch Conference Dinner Sponsor (Gold sponsor)	
<b>GBA Consulting Engineers</b> Name Tag Sponsor (Silver sponsor)	
<b>Leading Roles</b> Charity Auction Sponsor (Silver Sponsorship)	
<b>JAC Civil</b> Lunch Sponsor (Silver Sponsorship)	
<b>Shepherd</b> Morning Tea Sponsor (Bronze sponsor)	
<b>Project Delivery Managers</b> Afternoon Tea Sponsor (Bronze Sponsor)	

## Social Media Handles

We encourage exhibitors to use our handles when posting to social media:

@IPWEA Queensland   @IPWEAQ   @IPWEAQ   @ipweaq





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## President's Charity – Rural Aid

Rural Aid is one of the largest rural charities in Australia. A nationwide charity, it was founded by Charles and Tracy Alder in 2015. Its focus is twofold – to provide support to farmers and rural communities in times of natural disaster as well as supporting the sustainability of the agricultural sector.

We will be selling raffle tickets to raise money for Rural Aid at 5 for \$20 or \$5 per ticket with winners drawn Wednesday morning 21 April.

**vision**  
That farming and rural communities are safeguarded to ensure their sustainability both during and after natural disasters.

**mission**  
To provide economic and empathetic assistance to rural communities impacted by natural disaster, by partnering with key stakeholders to deliver meaningful outcomes

**promise**  
We will ensure donors' money is used transparently to provide effective and timely assistance to those most in need.

**values**

- Empathetic & compassionate...** in everything we do and everyone we deal with.
- Transparent & accountable...** being open, honest and outcomes focused.
- Supported & empowered...** to achieve community and personal growth.
- Ambitious & adaptable...** in order to find solutions to new and diverse challenges.
- Commercially responsible...** to ensure the long-term future of the charity.

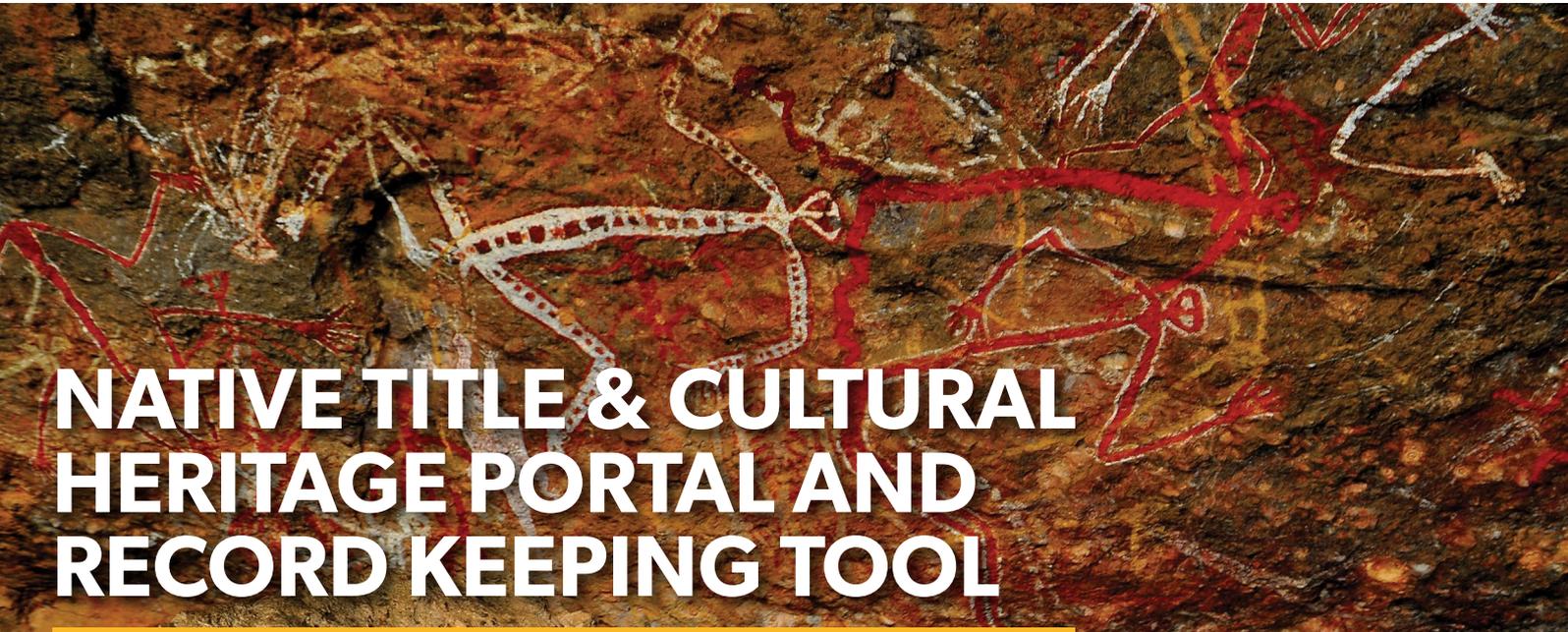


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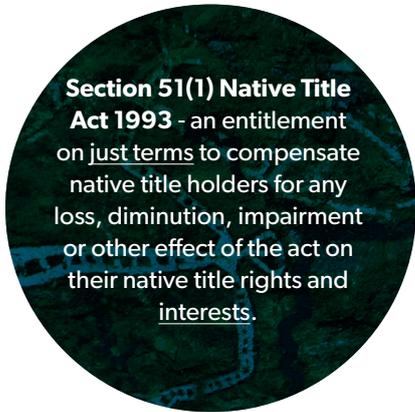
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# NATIVE TITLE & CULTURAL HERITAGE PORTAL AND RECORD KEEPING TOOL

IPWEAQ's new native title and cultural heritage portals help you comply with the law and avoid acts that will impact on cultural heritage and native title including impairment and extinguishment. The portals establish a methodical, documented, robust process and establish that an appropriate level of thoroughness was applied in determining whether or not to proceed with works.



**Section 51(1) Native Title Act 1993** - an entitlement on just terms to compensate native title holders for any loss, diminution, impairment or other effect of the act on their native title rights and interests.

## i M P A C T

- i** ntegrated
- M** anagement
- P** ortal for
- A** ssessment of
- C** ultural heritage and native
- T** itle

1. Resource to undertake complex assessments in a logical framework with templates, lists, registers and geo-spatial mapping.
2. Detailed record keeping system which generates a PDF documenting all elements of the assessment including text, maps and photographic evidence which supports the reason for your decision.
3. User friendly portal with a step by step process to ensure infrastructure and other projects comply with legislation which will save you time and money.
4. Interactive site which links to the latest information in government and other databases.

### SUBSCRIPTIONS

Subscriptions now open for the first year of iMPACT!

Annual Subscription	Plus GST
One-off Project Assessment	\$1,000
Councils with less than 25,000 constituents	\$3,000
All other councils, utilities, consultancies and other industry entities eg mining, pastoral.	\$5,000
Access to iMPACT including ongoing capability training to meet your changing needs.	\$10,000

**Public Works Technical Subscription** Apply a 10% discount if your council is a PTWS subscriber.

Contact Director, Information & Resources  
☎ Mark.Lamont@ipweaq.com ☎ 3632 6806

    [www.ipweaq.com](http://www.ipweaq.com)



# Professional Development

Native  
Title and  
Cultural  
Heritage

Urban  
Planning

Construction  
Law

Construction  
Practices

Asset  
Management

Stormwater  
Drainage

Design  
Practices

Professional  
Practice

Traffic  
Engineering

Contract  
Management

Leadership

Finance for  
Technical  
Professionals

## Continuing your professional development

All programs can be  
customised to meet your  
specific needs and delivered  
at your preferred location.

In-House  
Courses

PD packages



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